AMENDMENT UNDER 37 C.F.R. § 1.111 Attorney Docket No.: Q89140

Application No.: 10/542,382

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the

application:

LISTING OF CLAIMS:

(currently amended): A method of producing carbon fibers which comprises

oxidative-polymerizing a compound having an aromatic ring in the presence of an acid to obtain

a fibril-shaped polymer and firing the fibril-shaped polymer in a non-oxidizing atmosphere.

2. (original): A method of producing carbon fibers according to claim 1, wherein

the compound having the aromatic ring is a compound having a benzene ring or an aromatic

heterocyclic ring.

3. (original): A method of producing carbon fibers according to claim 2, wherein

the compound having the aromatic ring is at least one compound selected from the group

consisting of aniline, pyrrole, thiophene and derivatives thereof.

4. (previously presented): A method of producing carbon fibers according to claim

1, wherein the oxidative-polymerization is an electrolytic oxidative-polymerization.

(withdrawn): A catalyst structure characterized by supporting fine particles of a

noble metal on the carbon fibers produced by a method as claimed in claim 1.

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(withdrawn): A catalyst structure according to claim 5, wherein the carbon fibers

are three-dimensionally continuous.

(withdrawn): A catalyst structure according to claim 5, wherein the fine particles

of the noble metal are supported on the carbon fibers through an electroplating.

8. (withdrawn): A catalyst structure according to claim 5, wherein the noble metal

includes at least Pt.

9. (withdrawn): A membrane electrode assembly for a solid polymer fuel cell

comprising a solid polymer electrolyte membrane, catalyst layers arranged on both sides of the

solid polymer electrolyte membrane, and a diffusing layer arranged on one side of the catalyst

layer, characterized in that the catalyst layer comprises a catalyst structure as claimed in claim 5

and a polymer electrolyte.

(withdrawn): A solid polymer fuel cell characterized by providing a membrane

electrode assembly as claimed in claim 9.

11. (new): A method of producing carbon fibers according to claim 1, wherein the

acid is at least one selected from the group consisting of HBF4, H2SO4, HCl and HClO4.

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